



WAINFORD RURAL DISTRICT

	Mr. Muston	B. 415
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ANNUAL REPORT

of the

MEDICAL OFFICER OF HEALTH

and the

ENGINEER, SURVEYOR

and

CHIEF PUBLIC HEALTH INSPECTOR

for

1968

RURAL DISTRICT OF WAINFORD

ANNUAL REPORT

of the

MEDICAL OFFICER OF HEALTH

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ENGINEER, SURVEYOR

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CHIEF PUBLIC HEALTH INSPECTOR

for the year

1968

MEDICAL OFFICER OF HEALTH

A. C. GEE

M.R.C.S., L.R.C.P., D.P.H.

ENGINEER, SURVEYOR AND
CHIEF PUBLIC HEALTH INSPECTOR

IVAN S. ARMSTRONG

F.I.P.H.E., F.R.S.H., M.A.P.H.I.

DEPUTY SURVEYOR AND
ADDITIONAL PUBLIC HEALTH INSPECTOR

FRANK E. POOLEY

M.R.S.H., M.A.P.H.I.

I N D E X

TO ANNUAL REPORT OF

MEDICAL OFFICER OF HEALTH, THE ENGINEER, SURVEYOR AND CHIEF PUBLIC HEALTH INSPECTOR

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RURAL DISTRICT OF WAINFORD
ANNUAL REPORT OF THE MEDICAL OFFICER OF HEALTH FOR 1968

To:—The Chairman and Members of Wainford Rural District Council

Madam Chairman, Ladies and Gentlemen,

When I presented the Annual Report on the health of your district for the year 1967, I commented on the fact that I had only just become your Medical Officer and was not able, for that reason, to report in much detail thereon.

I am presenting the report for 1968, having completed a full year in office and it is a pleasure to be able to record that the district appears to be a very healthy one.

Apart from measles, there was very little infectious disease notified; the adjusted birth rate is above the rate for England and Wales as a whole; and the death rate is slightly below that for the average of the country. The main cause of death is heart failure; deaths from the various forms of cancer being not unduly high.

With regard to measles, it will be recalled that during the year, immunisation against measles became available and due to shortages of vaccine, in the early stages, and some reluctance to try something new, the amount of immunising against measles, within the district, was not very extensive. No doubt, during the months to come, an improvement in the position will take place and one can look forward to cases of measles being as rare as scarlet fever and whooping cough are today.

The role of a district Medical Officer of Health is one which is constantly undergoing change. Particularly is this so nowadays when medical science brings out so rapidly new discoveries and developments for combating diseases which have, in the past, brought ill-health and premature death to members of the community. Years ago, the Medical Officer of Health spent much of his time treating infectious disease, advising on improvements in housing and sanitation and generally devoting his time and energy to the more obvious defects of sanitation, personal hygiene and communal disease and ill-health. Nowadays, housing, sanitation, food inspection and many aspects of personal hygiene are more properly dealt with by the Public Health Inspector's department.

The Medical Officer of Health finds himself in the position of expert adviser to his district on those matters affecting the health of the community for which he is responsible.

During the year, Madam Chairman, a number of such problems have arisen, which have brought variety to my work and have, I hope, helped members of your Committee find interest in some of the medical questions it has been their duty to consider.

I have the honour to be

Your obedient Servant,

ARTHUR C. GEE,
Medical Officer of Health

Council Offices,
1 Saltgate,
BECCLES, Suffolk.

Telephone No. Beccles 2004/5

GENERAL STATISTICS

Area (in acres)	.. .. .	44,900
Registrar-General's estimate of population (mid-1968)		6,850
Number of inhabited houses (estimated)	.. ..	2,378
Rateable Value	.. .. .	£141,854
Product of Penny Rate (estimated)	.. .. .	£541
Number of Parishes	.. .. .	33

	Wainford R.D.	England and Wales
Live Births		
Number	115	
Rate per 1,000 population	16.7	16.9
Illegitimate Live Births per cent of total live births ..	6.08	
Stillbirths		
Number	1	
Rate per 1,000 total live and still births	8.6	14.0
Total Live and Still Births	116	
Infant Deaths (deaths under 1 year	6	
Infant Mortality Rates		
Total infant deaths per 1,000 total live births	52.1	18.0
Legitimate infant deaths per 1,000 legitimate live births ..	55.5	
Illegitimate infant deaths per 1,000 illegitimate live births ..	—	
Neo-Natal Mortality Rate (deaths under 4 weeks per 1,000 total live births)	26.08	12.5
Early Neo-Natal Mortality Rate (deaths under 1 week per 1,000 live births)	26.08	10.5
Perinatal Mortality Rate (stillbirths and deaths under 1 week combined per 1,000 total live and still births) ..	34.5	25.0
Maternal Mortality (including abortion)		
Number of deaths	Nil	—
Rate per 1,000 total live and still births	Nil	—

VITAL STATISTICS

								Male	Female	Total
Live Births										
Total	..	..	..	..	..	..	..	61	54	115
Legitimate	..	..	..	..	..	..	..	56	52	108
Illegitimate	..	..	..	..	..	..	..	5	2	7
Still Births										
Total	..	..	..	..	..	..	..	1	—	1
Legitimate	..	..	..	..	..	..	..	1	—	1
Illegitimate	..	..	..	..	..	..	..	—	—	—
Deaths of Infants Under 1 Year of Age										
Total	..	..	..	..	..	..	..	6	—	6
Legitimate	..	..	..	..	..	..	..	6	—	6
Illegitimate	..	..	..	..	..	..	..	—	—	—
Deaths of Infants Under 4 Weeks of Age										
Total	..	..	..	..	..	..	..	3	—	3
Legitimate	..	..	..	..	..	..	..	3	—	3
Illegitimate	..	..	..	..	..	..	..	—	—	—
Deaths of Infants Under 1 Week of Age										
Total	..	..	..	..	..	..	..	3	—	3
Legitimate	..	..	..	..	..	..	..	3	—	3
Illegitimate	..	..	..	..	..	..	..	—	—	—
Deaths — All Ages	..	..	..	..	..	..	..	35	25	60

RATES

	Wainford R.D.	England and Wales
Adjusted Birth Rate	18.2	—
Death rate per 1,000 estimated population	8.75	8.8
Adjusted Death Rate	8.9	—

Comparability Factor (Births)	1.09
„ „ (Deaths)	1.02

CAUSE OF INFANT DEATHS

Sex	Age	Cause of Death
M	2 hrs.	Congenital Anomalies
M	1 day	Birth Injury, Difficult Labour, Etc.
M	1 month	Birth Injury, Difficult Labour, Etc.

CAUSE OF DEATH

Cause of Death					Male	Female	Total
B18	Other infective and parasitic diseases	..	..		1	—	1
B19 (1)	Malignant neoplasm, stomach	..	..	..	1	1	2
B19 (2)	Malignant neoplasm, lung, bronchus	..	..		2	—	2
B19 (5)	Leukaemia .. .. .	..	..	..	1	—	1
B19 (6)	Other malignant neoplasm, etc.	..	..	..	2	1	3
B21	Diabetes Mellitus .. .. .	..	..	..	—	1	1
B46 (4)	Other diseases of nervous system, etc.	..	..		1	—	1
B27	Hypertensive disease	..	..	..	—	1	1
B28	Ischaemic heart disease	..	..	..	6	6	12
B29	Other forms of heart disease	..	..	..	4	6	10
B30	Cerebrovascular disease	..	..	..	3	4	7
B46 (5)	Other circulatory diseases	..	..	..	2	1	3
B31	Influenza .. .. .	..	..	..	2	—	2
B32	Pneumonia .. .. .	..	..	..	3	1	4
B33 (1)	Bronchitis and emphysema	..	..	..	—	1	1
Carried Forward					28	23	51

Cause of Death					Male	Female	Total
	Brought Forward	..	..		28	23	51
B46 (7)	Other diseases of digestive system	..	..	..	1	—	1
B38	Nephritis and nephrosis	..	..	..	—	1	1
B39	Hyperplasia of prostate	..	..	..	1	—	1
B46 (8)	Other diseases, genito-urinary system	..	..	..	—	1	1
B42	Congenital anomalies	..	..	..	2	—	2
B43	Birth injury, difficult labour, etc.	..	..	..	2	—	2
B45	Symtoms and ill defined conditions	..	..	..	1	—	1
					35	25	60

DEATHS FROM CANCER OF THE LUNG AND BRONCHUS DURING THE YEARS 1958—1968

Year	Male	Female	Total	Death rate per 1,000 Population
1958	2	—	2	0.29
1959	—	1	1	0.15
1960	2	—	2	0.29
1961	1	1	2	0.32
1962	2	—	2	0.32
1963	1	1	2	0.31
1964	5	—	5	0.77
1965	4	—	4	0.61
1966	5	—	5	0.76
1967	3	—	3	0.44
1968	2	—	2	0.29
Total	27	3	30	

ADJUSTED BIRTH AND DEATH RATE: COMPARABILITY FACTOR

Local birth rates are expressed in terms of population. These populations are estimated by the Registrar General and comprise persons of all ages, including those who have no influence on the birth rate. These latter do, however, affect the birth rate in that a high proportion of them in a population tends to lower, and a small proportion tends to raise the true rate. The size of this proportion will vary in different areas and, therefore, the elimination of standardization of such a factor will give a truer comparison between areas.

The Registrar General issues a comparability factor on these lines. Multiplication of the crude birth rate of an area by the comparability factor gives the adjusted birth rate and can be compared with the crude rate for England and Wales.

The comparability factor for deaths is obtained in a similar way to the above. The factors for certain areas, where rapid increase or reduction in the population materially affects its comparison by sex and age groups, are also adjusted on that account. Death rate area comparability factors are adjusted to take account of the presence of any residential institutions in each area. Birth rate area comparability factors are also adjusted to take account of the presence of sterile populations in institutions for the mentally ill or mentally deficient.

**TABLE SHOWING THE MORE IMPORTANT CAUSES OF DEATH,
NUMBERS AND PERCENTAGES**

Cause of Death	No. of Deaths		Percentage	
	1968	1967	1968	1967
Diseases of circulatory system	33	25	55.00	35.71
Vascular lesions of nervous system ..	1	9	1.67	12.87
Malignant diseases	7	14	11.67	20.00
Pneumonia and Bronchitis	5	8	8.33	11.42
Influenza	3	—	5.00	—
All other causes	11	14	18.33	20.00
<i>Total:</i>	60	70	100.00	100.00

In 1968 67% of all deaths fell under the first three headings. The comparable figure for 1967 was 68% and for 1966 was 70%

COMPARATIVE STATISTICS

	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968
Population ..	6,830	6,820	6,820	6,240	6,290	6,340	6,450	6,550	6,680	6,780	6,850
No. of inhabited houses ..	2,165	2,200	2,067	2,068	2,145	2,301	2,132	2,132	2,192	2,331	2,378
No. of Live Births	92	91	106	110	93	97	101	89	129	87	115
Birth Rate (crude)	13.4	13.3	15.54	17.6	14.7	15.3	15.6	13.5	19.31	12.8	16.8
No. of Still Births	2	2	3	5	2	3	1	3	—	1	1
Maternal Mortality	—	—	—	—	—	—	—	—	—	—	—
Infant Mortality Rate	32.6	10.9	37.73	18.1	21.5	10.3	9.9	22.4	15.5	22.9	52.1
No. of Deaths ..	(3)	(1)	(4)	(2)	(2)	(1)	(1)	(2)	(2)	(2)	(6)
No. of Deaths (all ages) ..	70	67	74	50	61	74	64	80	78	70	50
Death Rate (crude)	10.2	9.8	10.85	8.1	9.7	11.6	9.9	12.2	11.67	10.32	8.8

NUMBER OF ALL CONFIRMED CASES OF INFECTIOUS AND OTHER NOTIFIABLE DISEASES NOTIFIED DURING THE YEAR 1968 ACCORDING TO AGE AND SEX

Age	Scarlet Fever			Whooping Cough			Polio			Measles			Diphtheria			Dysentery			Meningococcal Infection			Primary Pneumonia			Erysipelas		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
Under 1 year	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 year	-	-	-	1	1	2	-	-	-	5	2	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2 years	-	-	-	-	-	-	-	-	-	5	4	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3 years	-	-	-	1	-	1	-	-	-	4	4	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4 years	1	-	1	1	-	1	-	-	-	8	10	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5—9 years	-	1	1	1	1	2	-	-	-	36	32	68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10—14 years	-	1	1	-	2	2	-	-	-	4	3	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15—24 years	-	-	-	-	-	-	-	-	-	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25—44 years	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
45—64 years	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1
65 or over	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
Total	1	2	3	5	4	9	-	-	-	64	56	120	-	-	-	-	-	-	2	-	2	-	1	1	-	1	1

72 Males plus 64 Females — 136

TUBERCULOSIS

	Males		Females		Total
		Non-		Non-	
	Pulmonary	Pulmonary	Pulmonary	Pulmonary	
No. of cases on the Register at 31st December, 1967	9	2	9	3	23
No. of cases added during the year.. .. .	1	—	—	—	1
No. of cases removed during the year	1	—	—	—	1
No. of cases on the Register at 31st December, 1968	9	2	9	3	23

<i>Cases added to the Register</i>	<i>Cases removed from the Register</i>
New notifications —	Recovered 1
Inward transfers 1	Died —
	Removed to other areas —
<i>Total:</i> 1	<i>Total:</i> 1

RURAL DISTRICT OF WAINFORD

ANNUAL REPORT OF THE ENGINEER, SURVEYOR AND CHIEF
PUBLIC HEALTH INSPECTOR FOR 1968

To: The Chairman and Members of Wainford Rural District Council.

Madam Chairman, Ladies and Gentlemen,

It is with pleasure that I present my report for 1968.

As I write, the shadow of re-organisation has once again fallen across Local Government and the task of maintaining keen interest and enthusiasm in all aspects of our work seems formidable.

However, I am pleased that the centrepiece of the department's activities, the Grouped Homes Scheme for the elderly at Brampton, is now fast becoming a reality. This will provide much needed accommodation of this type in the area and we all look forward to its completion and occupation with excitement.

Further sewerage schemes have been brought into service and the Council's progressive programme in this field now enters its closing stages.

The food processors continue to expand their activities, necessitating much of an Inspector's time.

Our small, but devoted, staff have continued to do excellent work and I am sincerely appreciative of their efforts. I am especially grateful to my Deputy, Frank Pooley, for his unfailing support throughout the year.

I have the honour to be,

Your obedient Servant,

IVAN S. ARMSTRONG,
Engineer, Surveyor and Chief Public Health Inspector

Council Offices,
1 Saltgate,
Beccles,
Suffolk.

HOUSING

(a)	Number of houses inspected during year	..	..	..	..	..	..	..	401
(b)	Number of houses found to be unsatisfactory	..	..	..	..	..	..	..	110
(c)	Number of houses rendered fit:								
	By informal action	..	..	..	..	..	..	..	97
	By formal action	..	..	..	..	..	..	..	—
(d)	Demolition Orders made	..	..	..	..	..	..	..	7
(e)	Closing Orders made	..	..	..	..	..	..	..	1
(f)	Undertakings accepted	..	..	..	..	..	..	..	2
(g)	Houses demolished under (d)	..	..	..	..	..	..	..	8
(h)	Houses demolished by informal action	..	..	..	..	..	..	..	2

(i) Housing Resurvey:

A village by village housing resurvey continued throughout the year, owners of all suitable property being asked to provide modern amenities and take advantage of the grant schemes wherever possible.

Twenty-two parishes have now been completed, these being All Saints, Barsham, Blyford, Brampton, Ellough, Flixton, Homersfield, Holton, Mettingham, North Cove, Redisham, Ringsfield, St. James, St. John, St. Peter, St. Lawrence, Shadingfield, Spexhall, Westhall, Willingham, Wissett and Worlingham.

(j) Provision of Housing accommodation.

	By Local Authority	By Private Enterprise
1. Dwellings completed during year	—	39
2. Number of houses in course of construction on 31st December, 1968	Grouped Homes Scheme (20 units) & Warden's Accom.	58
3. Total number of houses owned by Council on 31st December, 1968	452	—

(k) Under Construction

Grouped Homes Accommodation at Brampton

10 2 person Bungalows

2 2 person Units

8 1 person Units

1 Warden's Flat

Work was under way with this scheme as the year closed.

(l)	Council houses available for letting during year..	..	..	..	..	..	..	15
(m)	Number of dwellings acquired by the Council	..	..	..	..	..	..	—

(n) Improvement and Modernisation of Dwellings

In the private sector, work is progressing at a reasonable rate, consistent with the economic situation.

The Council continues to implement its own phased house modernisation policy and the remaining three or four schemes are being dealt with by the direct labour staff.

(o) Overcrowding:

No known cases during the year.

(p) Improvement Grants

Discretionary Standard Total

Number of dwellings in respect of which applications were made during the year 4 33 37

Number of dwellings in respect of which grants were approved during the year 4 31 35

Total number of dwellings improved during year .. 5 23 28

Total number of dwellings approved for grants to 31st December, 1968 168 288 456

Total number of dwellings completed at 31st December, 1968 165 242 407

(q) Certificates of Disrepair:

Applications received —

Certificates issued —

(r) Movable Dwellings:

Number of site licences in force 34

Inspections made 62

Contraventions remedied 8

BUILDING DEVELOPMENT

During the year three hundred and eighteen plans were considered under the Building Regulations.

FOOD HYGIENE

A complete survey of all premises was carried out during the year.

(a) Number of food premises 47

Number of premises fitted to comply with Regulation 16 47

Number of premises to which Regulation 19 applies 47

Number of premises fitted to comply with Regulation 19 47

(b) Inspections made: 275

Premises found to be unsatisfactory 8

Premises rendered satisfactory 8

(c) Premises registered under the Food and Drugs Act, 1955:

Ice Cream — storage and sale 22

Sausages — preserved foods 1

(d) Poultry processing and inspection:

Number of poultry processing premises within the district 2

Number of visits to poultry processing premises within the district 330

Total number of birds processed during year broilers 2,265,485
turkeys 482,002

Types of birds processed broilers
capons
turkeys

Percentages of birds rejected as unfit for human consumption broilers 1.01%
turkeys 0.1934%

Weight of poultry condemned as unfit for human consumption 30 tons, 8 cwts, 85 lbs.

Poultry processing and inspection (continued)

A very high standard of inspection continues at the Poultry Processing factories, the "spotter" system being operated in accordance with Circular 21/61 (Ministry of Agriculture).

All water used for processing chickens is chlorinated to between 20 — 50 p.p.m. on a voluntary basis, but one would welcome legislation on this matter to ensure that chlorination is maintained within prescribed limits.

This would, it is hoped, reduce the mounting evidence that frozen poultry are an important cause of salmonellosis in humans.

RODENT CONTROL

(a) Inspections and treatment:

Number of premises inspected	1027
Number of premises treated — dwellinghouses.. .. .	349
— other premises.. .. .	155

(b) The Council provided a contract service during the year to thirty eight farms and small-holdings.

PUBLIC CLEANSING

(a) Refuse Collection and Disposal:

The compression vehicle has enabled the department to offer a clean and efficient service to all parts of the district.

Quantity of refuse collected during year in cubic yards	7,952
Miles travelled	13,419

Frequency of collections:

Worlingham, Holton and North Cove	Weekly	properties	724
Remaining villages	Fortnightly	properties	1,654

Disposal:

Five tips at Holton, North Cove, St. John, Worlingham and Westhall.

Tipping facilities were provided for Bungay U.D.C. at St. John.

(b) Cesspool Emptying:

This was the wettest year in East Anglia since 1912. Most areas had over 31ins. of rain against a normal average of 24 inches.

To some extent, this factor may account for the sharp increase in the use of this service.

Emptying facilities were made available to outlying properties in the Beccles Borough, Halesworth & Bungay Urban areas.

						Number of Cesspools and Septic Tanks	Number of Loads
Local Authority	..	..	..	..	..	41	375
Private	..	..	..	..	..	308	795
Total ..						349	1170

SEWERAGE AND SEWAGE DISPOSAL

- (a) Sixteen parishes have a sewerage scheme in operation and a further seven have schemes in various stages of construction or preparation.

The policy of polishing effluents over surface irrigation areas planted with poplars is extremely successful.

The St. Margaret Ilketshall scheme was brought into operation and the Shipmeadow scheme commenced during the year.

Sewered Parishes:	Number of Premises in Parish.	Length of Sewers in yards.
Blyford	46	913
Brampton	91	1162
Flixton	46	967
Holton	193	4503
Homersfield	54	647
North Cove	66	763
Ringsfield	84	1581
St. James	58	1518
St. Lawrence with Spexhall	129	1852
St. Margaret Ilketshall	63	658
Westhall	93	1379
Willingham with Shadingfield	92	940
Wissett	103	732
Worlingham	465	4421

Schemes Under Construction: 22036

Shipmeadow 59

Schemes in course of Preparation:

Mettingham 38

Rumburgh/All Saints 68

St. Andrew (Top Road area) 21

Stoven/Brampton 47

Schemes Approved in Principle:

St. Cross/St. Margaret S.E. 57

(b) Total length of sewers controlled by Council 12.520 miles

(c) Sewer Connections:
Connections made during year 77

(d) Sewage Effluents:
Careful attention was given to the maintenance of proper standards of effluent, there being good co-operation with the East Suffolk and Norfolk River Authority.

All the village works are producing effluents within the Royal Commission Standards and typical chemical analyses for B.O.D. and S.S. are given below:

Parishes	Biochemical Oxygen Demand p.p.m.	Suspended Solids p.p.m.
*Brampton	5.4	19
*Flixton	19.0	36
*Homersfield	2.0	2
*Ringsfield	5.6	26
St. James	9.5	0
*St. Lawrence	1.5	2
*Westhall	12.0	49
Willingham	2.5	4
*Worlingham	8.7	19
*Before polishing		

- (e) Disposal of Sewage in Co-operation with Neighbouring Authorities:
 In Beccles Borough area eighty-eight properties and one primary school are drained to the Worlingham works.
 Sewage from Barnby and Mutford in the Lothingland Rural District, is pumped to the Worlingham works.
 Sewers in the parish of Holton drain into the Halesworth Urban District Council system.
 All sewage from the Blyford and Wissett schemes is pumped to Halesworth.
- (f) **Housing Development:**
 An engineering enquiry was held into the Council's proposals to substantially enlarge their Worlingham Ash Tree Works in order to deal with the rapid expansion of development in this parish. Approval has now been given to the scheme.

WATER SUPPLIES

- (a) The area is well served by the East Anglian Water Company.
 (b) The department continued to sample both private and public supplies. Excellent co-operation was maintained with the Company.
 (c) The water supply to the Rural Area has been satisfactory in quality and quantity.
 (d) The District is supplied from three different sources situated at Holton, Barsham and Bungay.
 Copies of typical bacteriological and chemical analyses by Messrs. Lincolne Sutton and Wood Ltd. are given below.

Certificate of Analysis of Water

Date received	10th December, 1968
Sample received from	East Anglian Water Company
Marked	Holton — No. 2 Bore
	No. 3 Bore
	Treatment Plant

Odour Nil

Results of Chemical Analysis in parts per Million

		No. 2 Bore	No. 3 Bore	Treatment Plant
Ammoniacal nitrogen	.. .. .	0.20	0.28	0.01
Albuminoid nitrogen	.. .. .	0.02	0.02	Nil
Nitrate nitrogen	.. .. .	Nil	Nil	0.4
Nitrite nitrogen	.. .. .	Nil	Nil	Nil
Chlorion as Chlorine	.. .. .	110	186	154
Oxygen absorbed	.. .. .	0.68	0.52	0.30
Hardness:				
Total	.. .. .	330	320	330
Carbonate (temporary)	.. .. .	245	230	225
Non-carbonate (permanent)	.. .. .	85	90	105
Free carbon dioxide	.. .. .	22	12	12
Total solids (at 180 degrees C.)	.. .. .	555	650	—
Iron (total)	.. .. .	2.5	0.49	0.04
Metals in solution—lead, copper, zinc	.. .. .	Nil	Nil	Nil
Fluoride	.. .. .	—	—	0.7
pH.	.. .. .	7.2	7.4	7.6
Colour	.. .. .	Slight yellow	Nil	Nil
Appearance	.. .. .	Opalescent	Clear	Clear
Deposit	.. .. .	Iron comps.	Iron comps.	Iron comps.

Bacteriological Examination Report

Plate Count:

Colonies per ml. on agar at 37 degrees C., 2 days	.. Nil
Probable number of coliform organisms per 100 ml.	
MacConkey 2 days, 37 degrees C.	.. .. Nil
Number of Bact. Coli. (type I)	.. .. Nil

Remarks:*No. 2 Bore*

This analysis is in general similar to that of the last sample. The organic quality of the water is very good and in our opinion it is fit for drinking and general purposes, subject to removal of the iron content.

No. 3 Bore

As with the other two bores at Holton, the ammoniacal nitrogen content of this water is rather high, but there is no chemical evidence of pollution. The iron content is sufficient to give rise to a brown deposit on exposure to the air. In other respects the analysis requires no special comment.

Treatment Plant

This sample is clear and bright in appearance, has a reaction on the alkaline side of neutrality and is free from metals apart from a very minute trace of iron. The water is very hard in character but its hardness and its content of mineral and saline constituents in solution are not considered excessive. It conforms to the highest standard of organic quality and bacterial purity.

The results indicate a pure and wholesome water suitable for public supply purposes.

Certificate of Analysis of Water — TREATED WATER

Date received	..	..	..	..	..	..	..	17th December, 1968
Sample received from	..	..	..	..	..	..	..	East Anglian Water Company
Marked	..	..	..	..	..	..	..	Outney Common, Bungay
Odour	..	..	..	..	..	..	..	Nil
Taste	..	..	..	..	..	..	..	Satisfactory

Results of Chemical Analysis in parts per Million

								<i>Raw</i>	<i>Treated</i>
Ammoniacal nitrogen *	..	..	..	..	..	..	..	0.03	Neg. Trace
Albuminoid nitrogen *	..	..	..	..	..	..	..	0.03	0.03
Nitrate nitrogen	..	..	..	..	..	..	..	0.6	0.6
Nitrite nitrogen	..	..	..	..	..	..	..	Nil	Nil
Chlorion as Chlorine	..	..	..	..	..	..	..	.70	.70
Oxygen absorbed	..	..	..	..	..	..	..	0.64	0.52
Hardness:									
Total	..	..	..	..	..	..	..	340	340
Carbonate (temporary)	..	..	..	..	..	..	..	205	205
Non-carbonate (permanent)	..	..	..	..	..	..	..	135	135
Free carbon dioxide	..	..	..	..	..	..	..	28	30
Total solids (at 180 degrees C.)	..	..	..	..	..	..	..	495	505
Iron (total)	..	..	..	..	..	..	..	0.05	0.05
Metals in solution—lead, copper, zinc	..	..	..	..	..	..	..	Nil	Nil
Fluoride	..	..	..	..	..	..	..	—	0.3
pH.	..	..	..	..	..	..	..	6.9	6.9
Colour	..	..	..	..	..	..	..	Nil	Nil
Appearance	..	..	..	..	..	..	..	Clear	Clear
Deposit	..	..	..	..	..	..	..	Nil	Nil

Bacteriological Examination Report

Plate Count:

Colonies per ml. on agar at 37 degrees C., 2 days	..	Nil	Nil
Probable number of coliform bacilli per 100 ml.	..	Nil	Nil

Remarks:

Both these waters are of very good organic and bacteriological quality. The analyses of the two waters are almost identical and similar to those of previous samples. In our opinion the treated water is suitable for drinking and general purposes.

Certificate of Analysis of Water — RAW WATER

Date received	..	..	..	..	..	..	..	17th December, 1968
Sample received from	..	..	..	..	..	..	..	East Anglian Water Company
Marked	..	..	..	..	..	..	..	Barsham Bores

Results of Chemical Analysis in Parts per Million

								Raw	Treated
Ammoniacal nitrogen	..	..	..	..	..	..	..	0.06	Neg. trace
Albuminoid nitrogen	..	..	..	..	..	..	..	0.02	0.02
Nitrate nitrogen	..	..	..	..	..	..	..	Nil	0.2
Nitrite nitrogen	..	..	..	..	..	..	..	Nil	Nil
Chlorion as chlorine	..	..	..	..	..	..	..	60	58
Oxygen absorbed (4 hr. 80 degrees F.)	..	..	..	..	..	..	..	0.50	0.30
Hardness:									
Total	..	..	..	..	..	..	..	370	370
Carbonate (temporary)	..	..	..	..	..	..	..	245	240
Non-carbonate (permanent)	..	..	..	..	..	..	..	125	130
Free Carbon dioxide	..	..	..	..	..	..	..	34	20
Total solids (at 180 degrees C.)	..	..	..	..	..	..	..	520	515
Iron (Total)	..	..	..	..	..	..	..	4.9	0.07
Metals in solution, lead, copper, zinc	..	..	..	..	..	..	..	Nil	Nil
Fluoride	..	..	..	..	..	..	..	—	0.15
pH.	..	..	..	..	..	..	..	7.05	7.2
Colour	..	..	..	..	..	..	..	Yellow	Nil
Appearance	..	..	..	..	..	..	..	Yellow deposit	Clear
Deposit	..	..	..	..	..	..	..	Iron compounds	Nil
Taste	..	..	..	..	..	..	..	Ferruginous	Slightly chlorinous
Odour	..	..	..	..	..	..	..	Nil	Slightly chlorinous

Bacteriological Examination Report

Plate Count:			
Colonies per ml. on agar at 37 degrees C., 2 days	..	Nil	Nil
Probable number of coliform bacilli per 100 ml.	..	Nil	Nil

Remarks:

Both these waters are of excellent bacteriological and organic quality. The analyses are in accordance with expectations except that the permanganate value of the raw water is slightly higher than usual. The iron content of the raw water has been completely removed by treatment applied and in our opinion the water going into supply is very suitable for drinking and general purposes.

(d) Water Sampling:

<i>Samples Taken</i>	<i>Supply</i>	<i>Samples Taken</i>	<i>Satisfactory</i>	<i>Unsatisfactory</i>
Bacteriological	Private	10	—	10
	Public	8	8	—
Chemical	Private	5	2	3
	Public	—	—	—

During the year eight bacteriological samples were taken from the three sources.

(e) The waters are not liable to have plumbo-solvent action. All the samples show the characteristic hardness of East Anglian waters.

(f) No contamination of any form during the year.

(g) Number of dwelling houses supplied with mains water direct to the houses 1694
Number of dwelling houses supplied with mains water by means of stand-pipes .. 242

Total .. 1936

Total number of inhabited houses 2378

Number of houses not supplied with mains water 442

Estimated population supplied with mains water direct to houses 4878

Estimated population supplied with mains water by stand-pipes 697

Total .. 5575

Estimated total population 6850

Estimated population not supplied with mains water 1275

Estimated number of persons per house 2.88

Name of Parish	Supplied by Mains Water Direct		Supplied by Stand-pipe	
	Houses	Population	Houses	Population
All Saints	30	86	2	6
Barsham	45	130	16	46
Blyford	32	92	2	6
Brampton	57	164	17	44
Ellough	5	15	6	17
Flixton	34	98	3	9
Holton	179	516	5	14
Mettingham	48	138	14	40
North Cove	42	121	5	14
Redisham	25	72	11	32
Ringsfield	61	176	9	26
Rumburgh	49	141	20	58
St. Andrew	54	156	30	86
St. Cross	26	75	—	—
St. James	41	118	1	3
St. John	9	26	—	—
St. Lawrence	32	92	8	23
St. Margaret Ilketshall ..	26	74	12	34
St. Margaret South Elmham ..	22	63	2	6
St. Mary (Homersfield) ..	45	130	—	—
St. Michael	12	35	1	3
St. Peter	7	20	—	—
Shadingfield	26	75	4	12
Shipmeadow	21	60	5	14
Sotherton	22	63	1	3
Sotterley	29	84	4	12
Spexhall	44	127	8	23
Stoven	15	43	4	12
Westhall	61	175	10	28
Weston.. ..	27	78	8	23
Willingham	34	98	9	26
Wissett	53	152	16	46
Worlingham	481	1385	9	26
	1685	4878	242	697

PUBLIC SWIMMING BATHS

There are no public swimming baths in the area.

COMMON LODGING HOUSES

There are no common lodging houses in the area.

NATIONAL ASSISTANCE ACT 1948, SECTION 47

One person was removed under the provisions of this Act.

FACTORIES ACT, 1937—61

Prescribed Particulars on the Administration of the Factories Act, 1937 for the Rural District of Wainford Part I of the Act

(a) Inspections:

<i>Premises</i>	<i>Number on Register</i>	<i>Number of Inspections</i>
1. Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities	2	2
2. Factories not included in 1, in which Section 7 is enforced by the Local Authority	19	47
3. Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises) ..	46	139
Total	67	188

(b) Cases of Inspection in which Defects were found:

<i>Particulars</i>	<i>Found</i>	<i>Remedied</i>
1. Ineffective drainage of floors	—	—
2. Sanitary Conveniences:		
Insufficient	—	—
Unsuitable or defective	2	2
Not separate for sexes	—	—
3. Other offences against the Act (not including offences relating to out-work)	—	—
Total	2	2

Part VIII of the Act Outwork (Sections 133 and 134)

<i>Nature of work</i>	<i>No. of out-workers in August list required by Section (133)</i> <i>(1) (c)</i>	<i>No. of cases of default in sending lists to the Council</i>	<i>No. of prosecutions for failure to supply lists</i>	<i>No. of instances of work in unwholesome premises</i>	<i>Notices Served</i>	<i>Prosecutions</i>
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Wearing Apparel (making)	2	—	—	—	—	—

AGRICULTURE (SAFETY, HEALTH AND WELFARE PROVISIONS) ACT, 1956

(a)	Number of agricultural premises in area	315
(b)	Number of agricultural premises where persons employed (estimated) other than occupier and family	110
(c)	Number of agricultural premises inspected.. .. .	51
(d)	Number of premises where informal action taken.. .. .	—
(e)	Number of premises where formal action taken	—

THE OFFICES, SHOPS AND RAILWAY PREMISES ACT 1963

(a) Registration and general inspections:

<i>Class of premises</i>	<i>No. of premises registered during the year</i>	<i>No. of premises inspected generally</i>
Offices	—	6
Retail shops	—	4
Wholesale shops, warehouses	—	—
Catering establishments open to the public, canteens ..	—	3
Fuel storage depots	—	—

(b) Analysis of persons employed:

<i>Class of workplace</i>	<i>No. of persons employed</i>
Offices	29
Retail shops	9
Wholesale departments, warehouses	—
Catering establishments open to public	9
Canteens	—
Fuel storage depots	—
Total	47
Total Males	22
Total Females	25

(c) Total number of visits to registered premises 53



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